

- mammiferous animals, 125; on the muscular fibres in the œsophagus and heart of some Mammalia, 349.
- Gulo barbarus*, on the habits of, 30.
- Hairs, retractile, of the stigma of *Campulæ*, 380.
- Hare, on a remarkable change of habit in the, 362.
- Heliampora nutans*, description of, 47.
- Helicidæ, observations on the family of the, 238, 243.
- Heliomanes, new species of, 17.
- Hepaticæ, on the structure of the cellular membrane in, 73.
- Hincks, Rev. W., on a new species of *Balanus*, 333; notice respecting Gray's edition of Turton's manual of land and freshwater shells, 366.
- Hirundo purpurea* shot in Britain, 146.
- Hodgson, B. H., on four new species of Otter, 27.
- Holothuria, on some new species of, 100.
- Humming-birds, on the food and structure of the, 290.
- Hybrids, propagation by, 424.
- Iuanthos, a new genus of Zoophyte, 184.
- Impregnation in plants, notice respecting, 69.
- Infusorial animalcules in red snow, 223.
- Insects, descriptions of some rare or interesting indigenous, 274; petrified, of Solenhofen, noticed, 128.
- Intestinal worms, their tenacity of life, 377.
- Invertebrata, descriptions of some new species of, 84.
- Ireland, fungi of the north of, 3; on the fauna of, 6; on the mollusca nudibranchia and tunicata of, 84; contributions towards a history of the Annelides of, 168; additions to the fauna of, 245.
- Ischnotes, new species of, 18.
- Jabiru (*Mycteria Americana*), 399.
- Johnston, Dr. G., on the Irish Annelides, 168, 305; on a new genus of British Zoophyte, 272.
- Johnson, H., on the occurrence of the bottle-nosed whale, 361.
- Juniperus Virginiana*, on a certain crystalline matter found in, 131.
- Kippist, R., on the existence of spiral cells in the seeds of *Acanthaceæ*, 135.
- Knobs, woody, 373.
- Labidus, on the females of, 192; descriptions of several new species of, 196, 258.
- Lankester, Dr. E., on the origin of wood, 369.
- Leeds, natural history of its vicinity, 382.
- Leguminosæ, new genus of, 43.
- Leighton, W. A., *Excerpta Botanica*, 380.
- Lestris Richardsonii*, notice on, 6.
- Limneus involutus*, description and anatomy of, 22.
- Lindley, Prof., characters of five new Orchidaceous plants, 115; on animalcules in the antheridia of *Polytrichum*, 291.
- Lingwood, R. M., on the Fauna of Herefordshire, 184.
- Link, Prof., on the flower or fruit of ferns, 421.
- Linnæan Society, proceedings of, 44, 130.
- Loligo, new species of, 68.
- Lophotus, remarks on the genus, and description of a new species of, 329.
- Lutra, descriptions of four new species of, 27.
- MacLeay, W. S., notes on the habits of Cuban reptiles, 108.
- Malacopterion, description of the new genus, 53.
- Mallodon, new species of, 15.
- Mammalia, on the muscular fibres in the œsophagus and heart of some, 349.
- Mammiferous animals, observations on the blood corpuscles of, 125.
- Megalorhynchus, description of the new genus, 56.
- Membrane, cellular, on the structure of, 73.
- Meteorological observations, 71, 151, 223, 295, 367, 425.
- Meyen, Prof. F., on the organs of secretion in plants, 40; Report on the progress of Vegetable Physiology, noticed, 211.
- Microscopes, on the application of, in determining fossils, 65.
- Microscopical Society, proceedings of, 64, 139, 291, 415.
- Miers, J., on some new Brazilian Plants, 132.
- Miram, Dr. C. E., on the tenacity of life of intestinal worms, 377.
- Mirbel, M. de, on the development of the embryo in *Zea Mays*, 231.
- Miscellanea Zoologica, 169, 272, 305.
- Mollusca, of Ireland, 10, 245; nudibranchia, new species of, 84; tunicata, new species of, 93; on some new and rare British, 102; on the geographical distribution of, in Great Britain, 366.
- Montagna, new species of, 106.
- Mosses, on the structure of the cellular membrane in, 73.
- Mycteria Americana*, on the habits of, 346.
- Myliobatis aquila*, notice respecting, 146.
- Narcissus, on two new species of, 39.
- Nautilus, new species of, 99.
- Necydalis, new species of, 16.
- Nereis, descriptions of several new species of, 170.
- Newman, E., nonnullorum *Cerambycicum*

- novorum characteres, 14; History of British Ferns, reviewed, 316.
- Ogilby, Mr., characters of a new Squirrel, 62.
- Olfers, M. von, on a new species of fossil Dolphin, 150.
- Ophiocoma, new species of, 99.
- Opossums, notes on the habits of, 343.
- Orchidaceæ, characters of some new species of, 115.
- Orkney Natural History Society, proceedings of, 137, 360.
- Osborne, J., on Aristotle's History of Animals, 358.
- Otter, descriptions of four new species of, 27.
- Otters of Guiana, on the habits of the, 232.
- Owen, Prof., on the application of the microscope to the determination of fossil remains, 65; on the bone of an unknown Struthious bird, of large size, from New Zealand, 166.
- Papilionaceæ, on the irregular form of the flowers of, 153.
- Patella, new species of, 108.
- Patterson, R., on the Bolina Hibernica, 67.
- Peccari, 401.
- Pelexia, new species of, 116.
- Perameles, new species of, 150.
- Peridermæa, characters of the new genus, 39.
- Pfeiffer, Dr. L., on the family Helicidæ, and description of a new genus, 238.
- Phlæomys, new species of, 58.
- Phlyctænodes, characters of the genus, 20.
- Phoracantha, remarks on the genus, 19.
- Pinus Pumilio, observations on, 147.
- Pithanotes, new species of, 15.
- Planaria vittata, description of, 248.
- Plants, collected in Southern Spain and Portugal, synopsis of the, reviewed, 38; on the organs of secretion of, 49; on the development of the vascular tissue of, 66; descriptions of some new Brazilian, 132; on the structure of the ovule in, 162; on the sexes of, 226; notes on some viviparous, 297.
- Pleurothallis, new species of, 115.
- Pleurotoma, new species of, 107.
- Polycera, new species of, 92.
- Polygastrica, Mr. Forbes on, 364.
- Polygonum viviparum, mode of reproduction in, 298.
- Polynoe scolopendrina, description of, 307.
- Polype, on a remarkable Hydroid, 309.
- Potamogeton Pralongus, 422.
- Potos caudivolvulus, on the habits of, 29.
- Pteroglossus, new species of, 59.
- Quekett, E. J., on the development of the vascular tissue of plants, 66; on a certain crystalline matter found on the recently cut wood of the Red Cedar, 131.
- Ranunculaceæ, on the structure of the ovule in the, 165.
- Reptiles, Cuban, on the habits of the, 108.
- Rhagiomorpha, new species of, 21.
- Rhogmus, description of the new genus, 323.
- Rissoa, new species of, 97, 107.
- Rodent, on a new species of, 57.
- Rodentia, Waterhouse on, 418.
- Rodriguezia, new species of, 116.
- Ross and Dickson, on a collection of birds from Erzeroom, 350.
- Royal Irish Academy, proceedings of, 67, 358.
- Rylands, T. G. R., on *Aspidium lobatum*, 356.
- Sceleocantha, new species of, 14.
- Schleiden, Prof. M. J., on the structure of the cellular membrane in Mosses and Hepaticæ, 73; on the structure of the ovule in plants, 162.
- Saxifraga cernuosa, mode of reproduction in, 298.
- Schomburgk, R., account of his expedition into Guiana, 29, 282, 343, 399; on the Curata, of the culm of which the Indians form their blow-pipe, 46; on the Snake-nut tree of Guiana, 202.
- Schuckard, W. E., monograph of the Dorylidæ, 188, 258, 315, 396.
- Scrophularia aquatica, remarks on, 1.
- Shells, a Manual of the British Land and Freshwater, review of, 288.
- Selby, P. J., on the effects produced upon animal and vegetable life by the winter of 1838, 334.
- Snake-nut, notice respecting the, 70; description of the tree, 202.
- Society, Microscopical, 415.
- Spiral cells, occurrence of in the seeds of Acanthaceæ, 135.
- Squirrels, on two new species of, 62.
- Staphylinorum, Genera et Species, auct. G. F. Erichson, reviewed, 127.
- Stelis, new species of, 115.
- Stemoptera, characters of the new genus, 134.
- Stenoderus, new species of, 21.
- Stevens, C. A., on *Scrophularia aquatica*, 1.
- Stickleback, on the nests of the fifteen-spined, 148.
- Taylor, T., on the Fungi of the North of Ireland, 3.
- Tessaromma, descriptions of some new species of, 20.
- Templeton, J., catalogue of the species of Fungi of the North of Ireland, 3.